

8EHQ-1096-13758



DuPont Central Research
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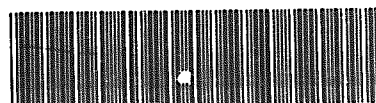
October 8, 1996

EXPRESS MAIL- RETURN RECEIPT REQUESTED

Document Processing Center (TS-790)
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U. S. Environmental Protection Agency
401 M Street SW
Washington, D.C. 20460

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Dear 8(e) Coordinator:



8EHQ-96-13758

**2-Propenenitrile, 2-chloro-
CAS Number 920-37-6**

This letter is to inform you of the results of a dermal sensitization study (The Murine Local Lymph Node Assay) with the above-referenced substance. The study was conducted using female CBA/JHsd mice.

Test animals (6 per concentration) were topically induced on both ears for 3 consecutive days with the test substance in DMSO/acetone at concentrations of 1%, 5%, and 10%. The same procedures were carried out on contemporaneous control groups except that the test substance was replaced by DMSO/acetone (vehicle control) or 25% hexylcinnamaldehyde (positive control). Animals were then injected with radiolabel and the proliferation in the draining lymph nodes (auricular) of the ears was assessed.

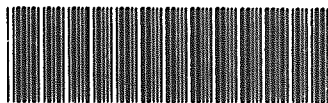
The stimulation index (the mean dpm value of the test substance group divided by the mean dpm value of the vehicle control group) was ≥ 3.0 at all dose levels in the study. Statistical significance was observed for the dpm data in all dose groups and a monotone dose response was evident. Under the conditions of this study, it was concluded that the above referenced compound has the potential to be a dermal sensitizer.

The effects described above are being reported in accordance with the guidance given in the EPA TSCA Section 8(e) Reporting Guide (June 1991).

Sincerely,

Charles F. Reinhardt
for CFR

Charles F. Reinhardt, M.D.
Director



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CFR/GL:jmg
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Best Available Copy